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#42 Collection #42 Tracking/Designated Lineages Fastest 100 Plus Recent Designations

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This collection keeps track of recent designated lineages - daily updated

Suggested baseline (6 Dec 2023):

JN.1* (Nextclade)

This collection was last updated at Tue 21 May 2024 18:12 UTC.

Variants

World

from _____ to _____

Past 6 months	2023-11-20		2024-05-15	
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Baseline: You can select a baseline variant to compare the variants in the collection against that variant. **Currently, the baseline variant is XBB.1.5* (Nextclade).**xbb.1.5* (Nextclade)  Advanced search[Select baseline](#)[only](#)[TABLE](#) [SEQUENCES OVER TIME](#) [MUTATIONS](#)[Download CSV](#)

Name	Query	Number sequences	Submitted in past 10 days	Relative growth advant... ↓	CI (low)	CI (high)	Description
★ KP.2.11 (JN.1.11.1.2.11; BA.2.86.1.1.11.1.2.11)	KP.2* (Nextclade) + S:F56V, ORF1a:T2093I	43	4	217.84%	101.56%	334.13%	S:F56V ORF1a:T2093I N
★ KP.2.6 (JN.1.11.1.2.6; BA.2.86.1.1.11.1.2.6)	KP.2* (Nextclade) + S:W64R	8	0	206.63%	0.15%	413.10%	S:W64R
★ LB.1 (JN.1.9.2.1; BA.2.86.1.1.9.2.1) with S:S31del	JN.1* (Nextclade) + S:Q183H, S:R346T, S:F456L, S:S31-	235	96	188.88%	130.49%	247.27%	S:S31del
★ Multilineage JN.1 Spike with S:S31del, S:R346T, S:F456L	C22916T, T22917G, T22926C + S:S31-, S:R346T, S:F456L	507	187	183.47%	139.72%	227.22%	S:R346T S:F456L S:S31-
★ KP.2.12 (JN.1.11.1.2.12; BA.2.86.1.1.11.1.2.12)	KP.2* (Nextclade) + G25088T + S:V1176F	41	32	183.39%	94.67%	272.11%	G25088T S:V1176F

★ KP.3 (JN.1.11.1.2; BA.2.86.1.1.11.1.3)	KP.3* (Nextclade)	1 332	440	182.24%	149.90%	214.58%	S:Q493E
★ KP.3.2 (JN.1.11.1.3.2; BA.2.86.1.1.11.1.3.2)	KP.3* (Nextclade) + A2611C, C22858T	400	140	179.12%	134.08%	224.17%	A2611C C22858T
★ KP.1.1.1 (JN.1.11.1.1.1.1; BA.2.86.1.1.11.1.1.1)	KP.1.1.1*	251	84	177.93%	131.93%	223.93%	S:K182N
★ KP.3 (JN.1.11.1.3; BA.2.86.1.1.11.1.3) with S:S31del	KP.3* (Nextclade) + S:S31-	7	5	176.19%	9.49%	342.89%	S:S31del
★ LB.1 (JN.1.9.2.1; BA.2.86.1.1.9.2.1)	JN.1.* (Nextclade) + S:Q183H, S:R346T, S:F456L	277	114	173.34%	126.79%	219.89%	S:F456L
★ KP.2.13 (JN.1.11.1.2.13; BA.2.86.1.1.11.1.2.13)	KP.2* (Nextclade) + C9565T, C24553T + S:K478E, N:P6T	8	6	171.76%	26.17%	317.34%	C9565T C24553T S:K478E
★ KP.2 (JN.1.11.1.2; BA.2.86.1.1.11.1.2)	KP.2*	2 233	570	171.75%	150.05%	193.45%	S:R346T
★ KP.2.10 (JN.1.11.1.2.10; BA.2.86.1.1.11.1.2.10)	KP.2* (Nextclade) + S:F59S	28	1	170.51%	80.83%	260.18%	S:F59S
★ JN.1.50 (BA.2.86.1.1.50)	JN.1.* (Nextclade) + S:H445P, S:F456L, S:A67V, S:L249F	17	9	163.79%	57.17%	270.41%	S:H445P S:F456L S:A67V
★ KP.2.2 (JN.1.11.1.2.2; BA.2.86.1.1.11.1.2.2)	KP.2.2*	101	37	163.74%	110.73%	216.74%	S:F59L S:K1266R
★ KP.2.9 (JN.1.11.1.2.9; BA.2.86.1.1.11.1.2.9)	KP.2* (Nextclade) + S:T572I	24	5	163.38%	77.71%	249.04%	S:T572I
★ KP.3.1 (JN.1.11.1.3.1; BA.2.86.1.1.11.1.3.1)	KP.3* (Nextclade) + G15372T, A19722G	508	182	162.30%	128.81%	195.79%	G15372T A19722G
★ KP.2.3.1 (JN.1.11.1.2.3.1; BA.2.86.1.1.11.1.2.3.1)	JN.1.11.1.* (Nextclade) + S:F456L, S:H146Q, ORF3a:K67N, S:A475V	6	1	159.58%	21.42%	297.74%	S:A475V
★ KP.3.3 (JN.1.11.1.3.3; BA.2.86.1.1.11.1.3.3)	KP.3* (Nextclade) + N:G204P	141	37	157.81%	113.37%	202.26%	N:G204P
★ KS.1 (JN.1.13.1.1; BA.2.86.1.1.13.1.1)	KS.1*	409	91	155.61%	125.55%	185.67%	S:F456L
XDV.1	C1170T, C6501A, T22926C, C11572T, T22930A	113	43	155.32%	109.78%	200.86%	C11572T S:F456L via T2
★ KP.2.3 (JN.1.11.1.2.3; BA.2.86.1.1.11.1.2.3)	JN.1.11.1.* (Nextclade) + S:F456L, S:H146Q, ORF3a:K67N	208	59	155.27%	116.29%	194.25%	S:H146Q ORF3a:K67N
★ KP.1.1 (JN.1.11.1.1.1; BA.2.86.1.1.11.1.1.1)	KP.1.1*	829	174	150.08%	127.83%	172.33%	S:R346T
★ Multilineage JN.1 Spike with S:R346T and S:F456L	C22916T, T22917G, T22926C + S:R346T, S:F456L	5 318	1 298	145.80%	133.31%	158.29%	S:R346T S:F456L
★ LD.1 (JN.1.48.1.1; BA.2.86.1.1.48.1.1)	JN.1.* (Nextclade) + T18471C, G29134T + ORF3a:A99V, S:S60P, S:R346T, S:F456L, S:T572I	8	2	145.54%	42.49%	248.60%	S:T572I
★ Multilineage JN.1 Spike with S:R346I and S:F456L	C22916T, T22917G, T22926C + S:R346I, S:F456L	109	31	144.21%	104.97%	183.44%	S:R346I S:F456L
★ LA.2 (JN.1.16.2.2; BA.2.86.1.1.16.2.2)	JN.1.16* (Nextclade) + C4777T + S:R346I	102	29	143.45%	103.28%	183.63%	S:R346I
★ KP.2.1 (JN.1.11.1.2.1; BA.2.86.1.1.11.1.2.1)	KP.2.1*	74	24	142.65%	100.35%	184.95%	S:Q1201K
★ JN.1.1.8 (BA.2.86.1.1.1.8)	JN.1.* (Nextclade) + C850T, T22930A + S:H445P, ORF1a:S2083I	47	5	138.67%	93.50%	183.84%	C850T S:F456L via T22930A NSP3:S1265I
★ JN.1.48.1 (BA.2.86.1.1.48.1)	JN.1.* (Nextclade) + T18471C, G29134T + ORF3a:A99V, S:S60P, S:R346T, S:F456L	44	11	138.22%	91.82%	184.61%	ORF3a:A99V S:S60P S:F456L

★ LA.1 (JN.1.16.2.1; BA.2.86.1.1.16.2.1)	JN.1.* (Nextclade) + C4777T + S:R346T, S:F456L	110	24	137.32%	104.03%	170.61%	S:R346T
★ KP.2.7 (JN.1.11.1.2.7; BA.2.86.1.1.11.1.2.7.)	KP.2.* (Nextclade) + S:S31F	44	12	135.31%	89.76%	180.86%	S:S31F
★ JQ.2.1.1 (BA.2.86.3.2.1.1.)	BA.2.86.3.* (Nextclade) + G2944A + S:R346T, S:L455S, S:F456L	2	0	131.61%	-12.35%	275.58%	S:F456L
★ KW.1.1 (JN.1.28.1.1.1; BA.2.86.1.1.28.1.1.1)	KW.1.1* (Nextclade)	311	115	129.13%	106.76%	151.49%	S:F456L ORF1b:R2009K
Multilineage JN.1 Spike with S:R346T, S:F456L, and S:T572I	C22916T, T22917G, T22926C + S:R346T, S:F456L, S:T572I	83	26	128.72%	94.25%	163.20%	S:R346T S:F456L S:T572I
★ KP.2.8 (JN.1.11.1.2.8; BA.2.86.1.1.11.1.2.8.)	KP.2.* (Nextclade) + S:S60P	11	0	128.59%	61.00%	196.18%	S:S60P
★ JN.1.16.2 (BA.2.86.1.1.16.2)	JN.1.16.* (Nextclade) + C4777T	266	55	125.81%	104.62%	147.00%	C4777T
Multilineage JN.1 Spike with S:S31del and S:R346T	C22916T, T22917G, T22926C + S:S31-, S:R346T	603	197	125.26%	106.92%	143.60%	S:R346T S:S31del
Multilineage JN.1 Spike with S:F456L and S:T572I	C22916T, T22917G, T22926C + S:F456L, S:T572I	696	230	124.19%	107.89%	140.49%	S:F456L S:T572I
★ KP.4.2.1 (JN.1.11.1.4.2.1; BA.2.86.1.1.11.1.4.2.1.)	JN.1.11.1* (Nextclade) + C6070T + S:R346T, S:K187R, S:S31F	8	2	123.91%	52.69%	195.13%	S:S31F
★ KP.1.1.2 (JN.1.11.1.1.2; BA.2.86.1.1.11.1.1.2.)	KP.1.1.* (Nextclade) + T2152C + S:P1162S	25	1	123.73%	79.81%	167.66%	T2152C S:P1162S
★ KZ.1.1.1 (JN.1.1.6.1.1.1; BA.2.86.1.1.6.1.1.1.)	JN.1.* (Nextclade) + T22928C, C1762A, C11747T + ORF1b:V1092F, S:R346T, S:T572I	22	2	123.56%	75.36%	171.76%	S:T572I
★ JN.1.39.1 (BA.2.86.1.1.39.1)	JN.1.* (Nextclade) + G2782T, C21034T, T25631C, A16011G, T6913C + S:R346T, S:F456L	52	11	123.00%	88.54%	157.46%	C21034T T25631C A160
Multilineage JN.1 Spike with S:R346T and S:F456V	C22916T, T22917G, T22926C + S:R346T, S:F456V	150	29	122.51%	98.80%	146.22%	S:R346T S:F456V
★ JN.1.18.2 (BA.2.86.1.1.18.2)	JN.1.18.2*	126	8	122.31%	98.40%	146.21%	S:F59S
★ KP.4.1 (JN.1.11.1.4.1; BA.2.86.1.1.11.1.4.1.)	JN.1.11.1* (Nextclade) + C6070T, C19884T + S:R346T	165	26	119.46%	97.26%	141.66%	C19884T S:R346T
★ KW.1.1.1 (JN.1.28.1.1.1.1; BA.2.86.1.1.28.1.1.1.)	KW.1.1.* (Nextclade) + S:T95S	27	13	117.08%	75.42%	158.73%	S:T95S
★ KP.2.5 (JN.1.11.1.2.5; BA.2.86.1.1.11.1.2.5.)	KP.2.* (Nextclade) + S:N185D	19	6	116.36%	71.24%	161.48%	S:N185D
★ KP.4 (JN.1.11.1.4; BA.2.86.1.1.11.1.4.)	JN.1.11.1* (Nextclade) + C6070T	321	55	116.30%	99.49%	133.12%	C6070T
★ KP.1.2 (JN.1.11.1.1.2; BA.2.86.1.1.11.1.1.2.)	JN.1.11.1* (Nextclade) + S:K1086R, S:T572I	51	22	115.83%	83.48%	148.19%	S:T572I
★ JN.1.7.4 (BA.2.86.1.1.7.4)	JN.1.7.* (Nextclade) + T22928C	69	9	115.16%	87.56%	142.76%	S:F456L via T22928C
★ JN.1.9.2 (BA.2.86.1.1.9.2)	JN.1.* (Nextclade) + S:Q183H, S:R346T	302	115	112.02%	94.06%	129.98%	S:R346T
★ JN.1.16.1 (BA.2.86.1.1.16.1)	JN.1.16.1*	769	163	111.58%	99.23%	123.92%	S:R346T
★ KU.2 (JN.1.30.1.2; BA.2.86.1.1.30.1.2)	KU.2*	63	9	111.00%	85.80%	136.20%	S:F456L
★ KP.4.2 (JN.1.11.1.4.2; BA.2.86.1.1.11.1.4.2.)	JN.1.11.1* (Nextclade) + C6070T + S:R346T, S:K187R	98	22	109.96%	88.46%	131.45%	S:R346T S:K187R
★ LF.1 (JN.1.16.1.1; BA.2.86.1.1.16.1.1)	JN.1.16.1* (Nextclade) + ORF1a:A1268T, ORF1a:S2103F	121	18	109.86%	89.33%	130.39%	ORF1a:A1268T NSP3:A2
★ XDQ.1	XDQ.1*	724	76	109.75%	99.31%	120.20%	S:A475V

KP.1 (JN.1.11.1.1; BA.2.86.1.1.11.1.1.1)	KP.1*	1 121	222	109.65%	99.23%	120.08%	S:K1086R
XDQ.1.1	XDQ.1* (Nextclade) + C1594T + S:S60P	43	6	109.35%	81.81%	136.88%	C1594T S:S60P
KP.2.4 (JN.1.11.1.2.4; BA.2.86.1.1.11.1.2.4)	KP.2* (Nextclade) + S:T250N	11	2	105.72%	60.49%	150.95%	S:T250N
KZ.1.1 (JN.1.1.6.1.1; BA.2.86.1.1.6.1.1)	JN.1* (Nextclade) + T22928C, C1762A, C11747T + ORF1b:V1092F, S:R346T	39	2	100.54%	75.55%	125.54%	S:R346T
LG.1 (KW.1.1.1.1; JN.1.28.1.1.1.1.1; BA.2.86.1.1.28.1.1.1.1.1)	KW.1.1* (Nextclade) + S:T95S, S:R346T	12	7	99.63%	59.84%	139.41%	S:R346T
KP.5 (JN.1.11.1.5; BA.2.86.1.1.11.1.5)	JN.1.11.1* (Nextclade) + C1377C, A1461A, A2745A, C5724C, C6070C, G9010G, T15513T, C15579C, G18891G, C19895C, A24819A, A28492A + S:T572I	36	9	99.45%	73.44%	125.47%	S:T572I
XDK.1.2	XDK.1* (Nextclade) + S:F456L	10	4	97.91%	56.93%	138.89%	S:F456L
KQ.1 (JN.1.4.3.1; BA.2.86.1.1.4.3.1)	JN.1.4.3* (Nextclade) + S:R346T	521	23	95.88%	86.80%	104.97%	S:R346T
LE.2 (JN.1.4.7.2; BA.2.86.1.1.4.7.2)	JN.1.4.7* (Nextclade) + C7423T + S:R346S	9	0	95.66%	55.97%	135.35%	C7423T S:R346S
JN.1.49.2 (BA.2.86.1.1.49.2)	JN.1* (Nextclade) + G2782G, C25566C, C774C, A29086A, C1762C, A12928A + ORF3a:T89I, S:F456L	20	10	95.30%	65.54%	125.06%	S:F456L
XDQ	XDQ* (Nextclade)	1 582	108	94.87%	88.59%	101.15%	BA.2.86.1/FL.15.1.1 recombinant
LE.1.1 (JN.1.4.7.1.1; BA.2.86.1.1.4.7.1.1)	JN.1.4.7* (Nextclade) + S:R346T, S:F456V	18	4	93.70%	64.29%	123.12%	S:F456V
Sequences with Slip (S:L455S and S:F456L)	S:L455S, S:F456L	11 489	2 563	93.19%	89.05%	97.33%	S:L455S S:F456L
JN.1.39.3 (BA.2.86.1.1.39.3)	JN.1* (Nextclade) + G2782T, C5512T + S:A67V	293	40	92.66%	82.69%	102.62%	C5512T S:A67V Redesign
JN.1.11.1 (BA.2.86.1.1.11.1)	JN.1.11.1* (Nextclade)	6 097	1 478	90.57%	85.85%	95.28%	S:F456L
LF.1.1 (JN.1.16.1.1.1; BA.2.86.1.1.16.1.1.1)	JN.1.16.1* (Nextclade) + ORF1a:A1268T, ORF1a:S2103F, S:P1263L	25	3	89.25%	65.81%	112.69%	S:P1263L
JN.1.13.1 (BA.2.86.1.1.13.1)	JN.1.13.1*	1 612	157	88.07%	82.29%	93.86%	S:R346T S:F59S
JN.1.16 (BA.2.86.1.1.16)	JN.1.16* (Nextclade)	3 342	623	87.46%	82.55%	92.37%	S:F456L
JN.1.7.2 (BA.2.86.1.1.7.2)	JN.1.7.2*	639	40	86.15%	79.22%	93.08%	ORF1b:C1563F NSP14:0
XDV	C1170T, C6501A, T22926C	148	48	85.50%	73.27%	97.72%	XDE/JN.1 recombinant
JN.1.13 (BA.2.86.1.1.13)	JN.1.13* (Nextclade)	1 740	182	85.01%	79.69%	90.34%	S:A1087S
JN.1.4.3 (BA.2.86.1.1.4.3)	JN.1.4.3* (Nextclade)	772	39	83.52%	77.20%	89.84%	S:T572I
LE.1.2 (JN.1.4.7.1.2; BA.2.86.1.1.4.7.1.2)	JN.1.4.7* (Nextclade) + S:R346T, S:K304N	16	4	83.46%	58.93%	108.00%	S:K304N
JN.1.7.1 (BA.2.86.1.1.7.1)	JN.1.7.1*	127	18	83.28%	71.51%	95.04%	S:R346K
JN.1.11 (BA.2.86.1.1.11)	JN.1.11* (Nextclade)	6 346	1 493	81.29%	77.47%	85.11%	G17334T S:V1104L
JN.1.7 (BA.2.86.1.1.7)	JN.1.7* (Nextclade)	6 572	437	80.48%	77.29%	83.68%	S:T572I S:E1150D
JQ.2.1 (BA.2.86.3.2.1)	BA.2.86.3* (Nextclade) + G2944A + S:R346T, S:L455S	31	1	79.69%	61.76%	97.62%	S:L455S
JN.1.30.1 (BA.2.86.1.1.30.1)	JN.1.30.1*	121	12	78.77%	68.04%	89.49%	T7789C S:R346T
JN.1.23 (BA.2.86.1.1.23)	JN.1.23*	175	24	78.01%	68.89%	87.12%	S:K444R S:Y453F ORF1a NSP3:P1326L
KV.2 (JN.1.4.5.2; BA.2.86.1.1.4.5.2)	KV.2* (Nextclade)	815	23	77.35%	71.99%	82.70%	C11956T S:T572I ORF1a
JN.1.4.4 (BA.2.86.1.1.4.4)	JN.1.4.4*	958	52	77.24%	72.00%	82.48%	S:R346T

★ JN.1.24.1 (BA.2.86.1.1.24.1)	JN.1* (Nextclade) + S:C1243F, S:R346T	77	6	76.91%	64.42%	89.40%	S:R346T
★ JN.1.39.2 (BA.2.86.1.1.39.2)	JN.1* (Nextclade) + G2782T, C774C, C5512C, T111C + S:R346T	29	1	76.53%	59.41%	93.65%	T111C S:R346T
	JN.1* (Nextclade) + C23277T, C280C, G488G, A496A, C683C, C745C, C774C, T997T, C1060C, T1276T, C1288C, G1408G, G1590G, C1601C, C1612C, T1651T, C1762C, C1779C, G2155G, T2236T, A2526A, G2683G, C2695C, G2782G, A2941A, A3181A, T3127T, T3214T, G3875G, A4005A, T4138T, G4294G, C4543C, T4804T, C4921C, T4922T, A5269A, T5422T, G5558G, A6705A, C6555C, A5053A, C5184C, A6613A, C6633C, C7113C, C7423C, C7594C, C7732C, C8802C, A8845A, C9131C, C9298C, C9451C, C9565C, C9693C, C10369C, C10456C, C10726C, C10747C, C11102C, C11747C, T12244T, A13288A, C13326C, A13533A, C13620C, C13663C, C13720C, T14179T, C14267C, T14334T, T14466T, T14811T, G15226G, C15720C, G16106G, G16269G, C17012C, G17278G, G17562G, C17676C, A18093A, T18453T, G18674G, C18687C, T18738T, G18960G, C19011C, G19086G, G19132G, A19314A, A19578A, G20176G, T20874T, A21589A, C21741C, T22270T, T22669T, T22926C, T23137T, C23601C, C23896C, T24424T, C24734C, G25012G, T25171T, G25249G, A25327A, A25426A, C25566C, C25680C, G25987G, G26101G, C26499C, T26511T, G27047G, C27476C, G27948G, A28104A, G28123G, C29642C, A29700A + S:Q183H	45	1	76.07%	61.78%	90.36%	S:Q183H
★ KR.1 (JN.1.1.5.1; BA.2.86.1.1.1.5.1)	KR.1*	71	0	76.04%	63.90%	88.18%	C28498T S:F456L
★ XDK.1	XDK.1*	282	34	75.93%	67.97%	83.88%	S:R346T
★ XDK.3	XDK* (Nextclade) + S:F456L, ORF1a:F3397L	9	1	75.20%	49.01%	101.40%	S:F456L ORF1a:F3397L
★ JN.1.9.1 (BA.2.86.1.1.9.1)	JN.1.9.1* (Nextclade)	291	29	75.02%	67.56%	82.48%	S:T572I ORF1a:A3143V
★ KW.1 (JN.1.28.1.1; BA.2.86.1.1.28.1.1)	KW.1*	549	114	74.98%	68.71%	81.26%	S:T572I
★ XDR.1	XDR* (Nextclade) + G6077T, A14031G, C26801T + S:F59S	8	2	74.68%	47.32%	102.04%	G6077T A14031G C26801T + S:F59S
★ JQ.2 (BA.2.86.3.2)	JQ.2*	54	1	73.08%	60.26%	85.90%	G2944A S:R346T

Rows per page: 100 ▾ 1–100 of 132 < >

The sequence data was updated: Last Monday at 8:27 AM

Nextclade dataset version: 2024-04-15--15-08-22Z

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